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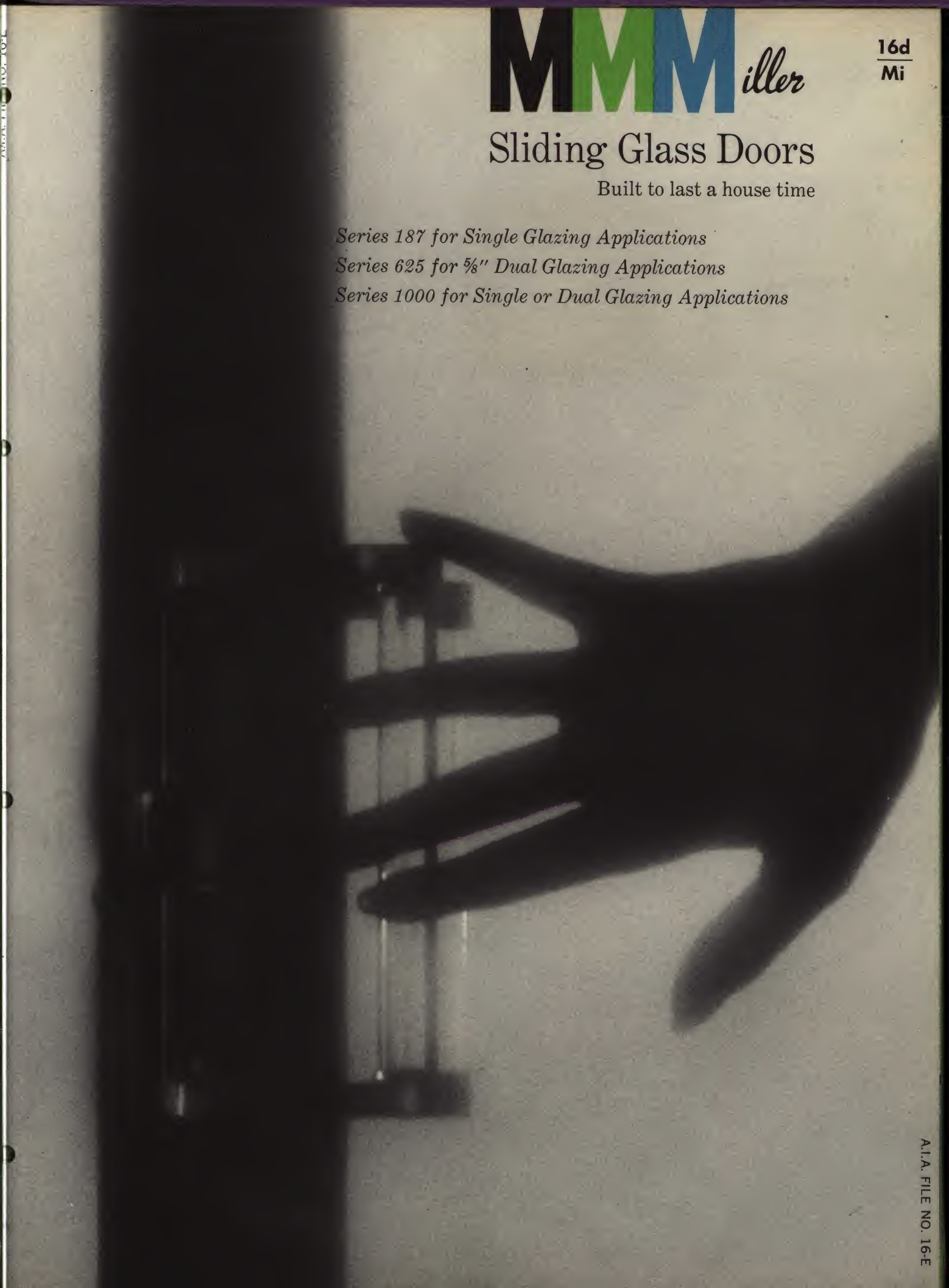
Miller

Sliding Glass Doors

Built to last a house time

Series 187 for Single Glazing Applications
Series 625 for ⅝" Dual Glazing Applications
Series 1000 for Single or Dual Glazing Applications



A.I.A. FILE NO. 16-E

To Help You Compare

Wide vistas, lasting beauty, a product worthy of my design... these are the demands of the architect. Reasonable cost, simple installation, no call-backs, features that will help sell... this is what the builder desires. The owner wants them all plus year in and year out dependable use... for as long as the structure stands. This is what has guided us in the design and manufacture of Miller Sliding Glass Doors.
This is what has produced the housetime features presented below for your comparison.

House Time Comparables 1 2 3 4 5 6 7

1. FRAME CONSTRUCTION: Heavy-walled, box-type aluminum extrusions are used throughout. Corners are reinforced and squared for easy installation. Stationary and sliding members have a common sight line and are mitered for attractive appearance.

2. HEAVY TRED THRESHOLD: Full length reinforcing ribs resist prolonged heavy loads and maintain slider track stability for smooth operation. Threshold slants to outside for proper drainage of moisture.

3. ALL SEASON WEATHER SEAL: Silicone treated certified woven pile is used inside and out at the vent jamb, interlocker, header and threshold. The seal "surrounds" rollers, prevents leaks in severest weather.

4. FULL GRIP HARDWARE: Attractive, functional design assures easy movement of sliders. Convenient latch provides full security, yet is easily dis-engaged with finger-tip action. Cylinder key lock optional.

5. TRACK HUGGING ROLLERS: Heavy gage, wrap around ball bearing rollers provide full support for sliding members. Accurate balance permits effortless opening and closing. Adjustment is simple from convenient "hidden" adjusting hole at rear of slider.

6. INSECT RESISTANT, EXTERNAL SCREEN: Full box type construction. Supported with nylon ball bearing rollers. Mounted outside so it will not rub on drapes or trap insects between slider.

7. LUSTROUS, PERMANENT FINISH: Approved alumilite process is used on all parts. Anodized coat makes the metal corrosion resistant in all climates. Occasional cleaning with warm soap and water keeps surfaces new looking for years.

To Help You Specify

Miller offers great freedom of design within these broad applications:

The single-glazed Series 187 aluminum sliding glass door

For all types of construction where 3/16″ or 1/4″ glass is required in heights up to 8′6″ with sliding sections up to 6′ in width. Also, for either interior or exterior pocket installations.

Ideal for single glass special applications such as front doors, entrances, bathrooms, private walled solariums, etc.

Wrap around, vulcanized vinyl with unbroken corners permits either shop or field glazing. Can be converted to 5/8″ dual glass by substituting Series 625 panels in the same frame.

The Series 1000 aluminum sliding glass door line for interchange single or dual glazing

An ideal multi-purpose door that is designed for all types of construction, residental, commercial, or institutional, where 1″ dual glazing (or less) is specified.

Series 1000 features an interchangeable glazing bead which permits use of 3/16″ sheet, 1/4″ plate, 5/8″ or 1″ dual glass. Single glass original installation can be changed later to 5/8″ or 1″ dual.

Recommended for extra high or wide doors and walls whether single or dual glazed.

This series can incorporate mullion load-bearing columns to support framing header in cases where proper height header cannot be used without changing roof line, or causing door height to be too low. Also used with transoms, either regular or tapered, cathedral type.

Series 1000 is recommended for double track or triple track doors and for exterior pocket doors requiring 5/8″ or 1″ dual glass. This design is specially adaptable for auto showrooms, department stores, exterior walls, large display areas, etc. It incorporates wrap-around glazing and can be shop glazed in standard sizes and field glazed on special installations.

FOR STOCK SIZES AND TYPE OF ALL SERIES DOORS, SEE PAGE 8.

Miller proves itself in Air and Water Infiltration Test at the Sliding Glass Door and Window Institute Test Facility, Santa Maria, Calif.

Air infiltration shall not exceed 0.65 cu. ft. per minute per foot of sliding panel perimeter when full size unit is subjected to a dynamic pressure of a 25 mile per hour wind.

The water infiltration shall not permit any water to overflow any part of the sill on interior face of unit when tested for a 15 minute period to a simulated rain fall of 2 inches of water per hour per square foot of area and subjected to a 45 mile per hour wind.

Tests certified by A. F. Jones Testing Laboratory.

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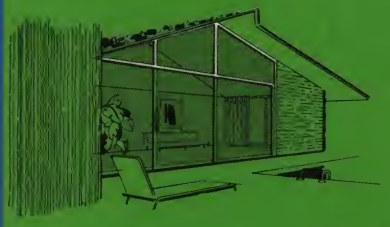
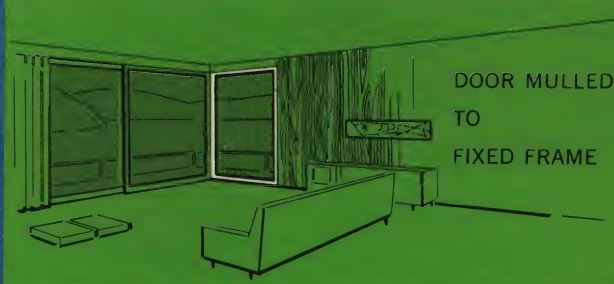
SPECIAL APPLICATIONS

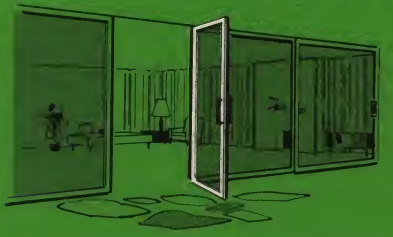


CUSTOM TRANSOMS

MULLION LOAD BEARING COLUMN

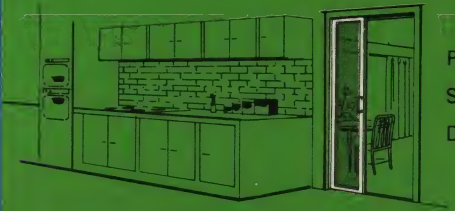


DOOR MULLED TO FIXED FRAME



SWINGING DOOR INCORPORATED IN SLIDING FRAME

MULTIPLE TRACK SLIDING DOOR



POCKET SLIDING DOOR

To Help You Confirm

A. Designers who reach for the sky find the construction of Miller extra height rigidity and special module tramsom design a practical and attractive solution.

B. Panoramic scenes get full scale treatment when Miller load bearing columns wed roof and glass wall. Slim sturdy supports permit floor to ceiling, inside and out, wide screen living.

C. For the elegant utilitarian touch, Miller sliding glass doors "fit"...good design and the promise of day in and day out, year in and year out effortless operation.

D. The rough and ready application calls for Miller features, too. Heavier construction throughout protects the not-so-thoughtful and leaves the designer room for new concepts in construction.

E. When it comes to the unique application, Miller sliding glass doors free the imagination. A wide expanse over a swimming pool with protecting plastic bottom or a 100′ opening...these are the challenges we like.

F. Commercial designers, builders and owners know the importance of maintenance free products. Hundreds have selected Miller sliding glass doors for their touch of elegance and practical longevity.

TEAR OUT

AND TRACE

Additional ½, ¼ and full-size detail sheets or catalogs available from your dealer or Miller.

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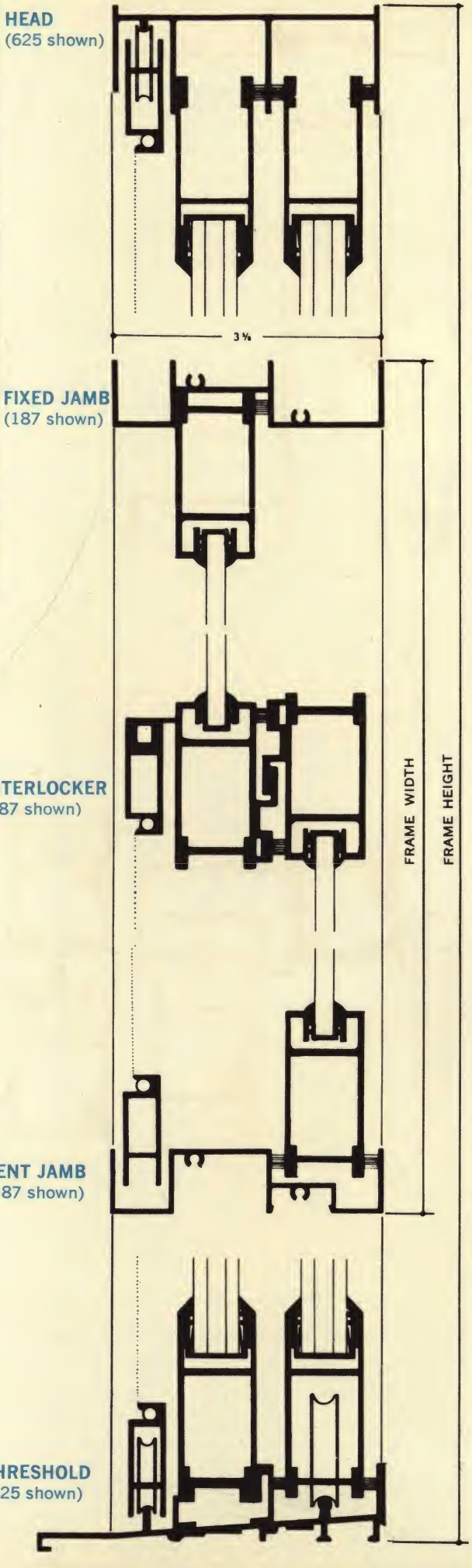


187 & 625 SERIES ARCHITECTS SPECIFICATIONS

GENERAL: Sliding Aluminum Framed Doors shall be Miller Series #187 and #625 Sliding Aluminum Doors as manufactured by Miller Sliding Glass Door Co., 3216 Valhalla Dr., Burbank, Calif.

MATERIAL: All sections shall be 6063-T5 extruded aluminum alloy. Sections shall have satin Alumilite coating. Component parts and accessories shall be aluminum alloy, cadmium plated or non metallic materials which will neither deteriorate nor promote corrosion. Weatherstripping shall be dense silicoted, fungus, mildew and moth resistant woven wool pile.

DESIGN: Vertical members of sash shall be of one piece, hollow sections of adequate stiffness to insure strength and rigidity. Frame and panels shall, when assembled, present a neat finished appearance and water-tight joints. Weatherstripping shall be double and continuous around entire sash section. Vented or sliding sections are to move horizontally upon bottom mounted ball bearing grooved rollers. Adjustment to be provided in roller assembly for squaring of vent in frame where indicated by irregularities in rough opening. All doors are designed to accommodate 3/16", 1/4" or 5/8" dual glass with both the fixed section and sliding section removable for glazing and maintenance. Sill member shall provide for adequate drainage to outside. All door frames are designed with provision for installing bottom roller horizontal sliding screens.

HARDWARE: Hardware shall be of full grip design with positive, one action, magic touch latch with provision for locking from inside. When specified, exterior locks shall be Weiser, five pin cylinder, or other make as may be required. Receiver in jamb provides for adjustment.

WEATHERSTRIPPING: Weatherstripping shall be installed in such manner as to make a positive unbroken double seal around entire vent section. All weatherstripping shall be dense silicoted, fungus, mildew and moth resistant woven wool pile.

SCREENS: Screen sections shall be 6063-T5 extruded aluminum alloy tubular box type sections. Screens shall have adjustable bottom ball bearing nylon sheaves. Top of screen shall have spring loaded ball bearing nylon guide rollers. Screen frame members shall be accurately cut and assembled to form neat mitered corners. Frame shall be wired with 14 x 18 mesh fiberglass cloth. All screens shall have insect closure on trailing stile of frame. Screen to have hook type lock.

ASSEMBLY: Doors shall be shipped in knocked down condition. Factory sub-assembly shall include attachment of all accessory parts such as weatherstrip, latch, roller assemblies, corner connecting brackets, bumpers, etc. No special tools required for final assembly. Assembly instructions supplied with each frame.

GLAZING: The fixed and sliding panels shall be constructed to allow for either shop or field glazing. Vinyl glazing channels for 3/16", 1/4" or 5/8" glass shall be furnished with each frame. **Specify when ordering.** All corners of vinyl channels shall be vulcanized to form watertight joints around glass.
Glass and glazing shall be furnished by others under separate contract arrangement.

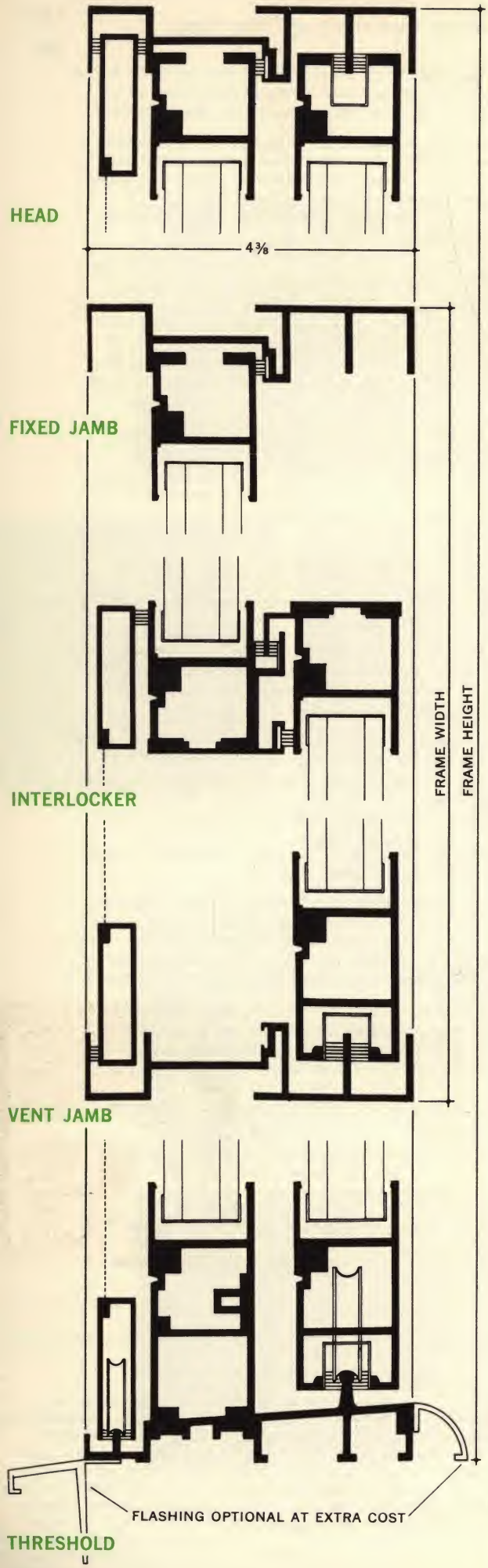
INSTALLATION: Installation shall be done by others under separate contract arrangement. Complete instructions supplied by manufacturer.

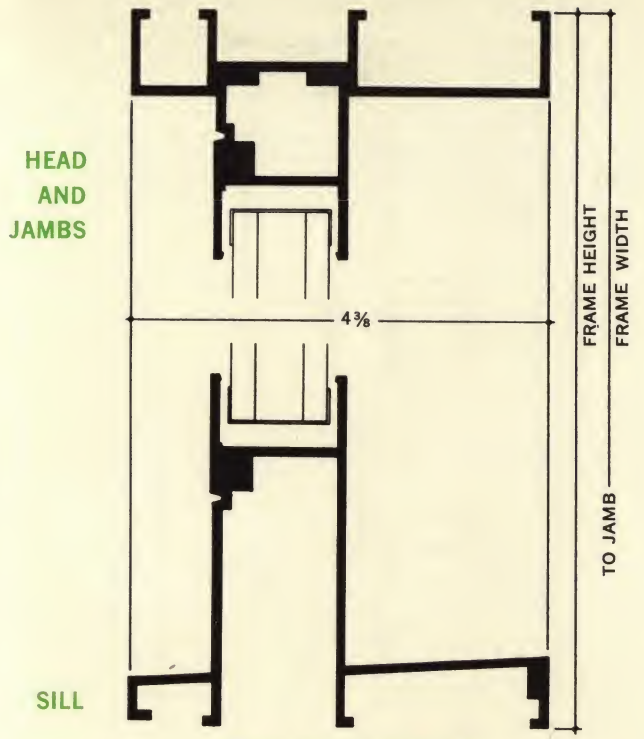
GUARANTEE: All "Miller" products are guaranteed against factory defect. Responsibility is assumed for satisfactory functioning of sliding door provided installation instructions are observed.

Miller Aluminum 187 and 625 Series, ½ size details

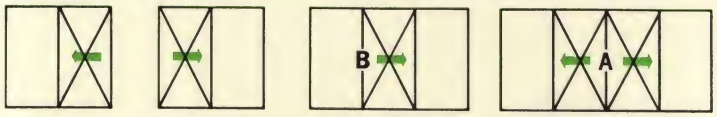
SPECIFICATIONS FOR SPECIFYING:

Aluminum sliding doors and frames shall be "Miller No. 187 or 625 Series" as manufactured by Miller Sliding Glass Door Co. Inc., 3216 Valhalla Dr., Burbank, Calif. **MATERIAL:** All sections shall be .072 average wall thickness, 6063-T5 extruded aluminum alloy with Alumilite finish. **DESIGN:** Vent or sliding sections are to move horizontally on bottom mounted, ball bearing grooved brass rollers. Adjustment to be provided in roller assembly for squaring of vent in frame. **HARDWARE:** Shall be full grip design with "Magic Touch" night latch engaging adjustable receiver mounted in jamb. (Cylinder locks optional at extra cost.) **WEATHERSTRIP:** Shall be silicone treated woven wool pile mounted in channels to form double seal all four sides of vent with unbroken seal in vent corners. **SCREENS:** Shall be aluminum tubular box section, 18-14 mesh fiber glass cloth. Wool pile insect guards all four sides. Hook type latch.

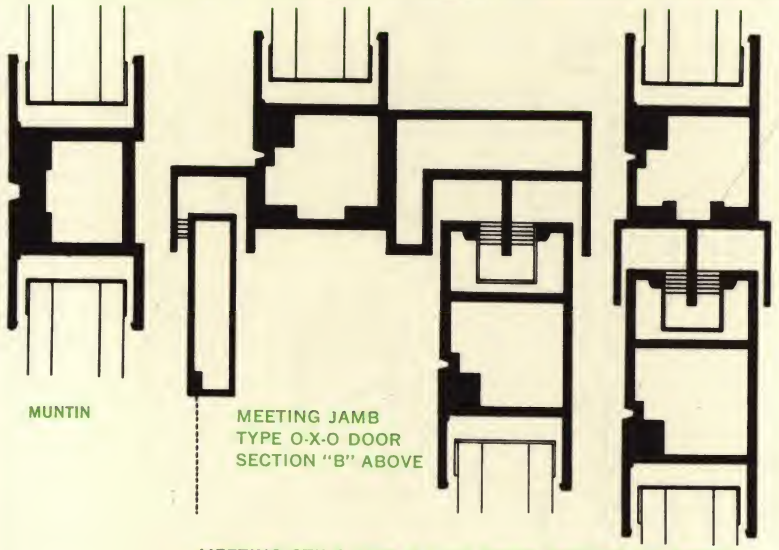




FIXED FRAME DETAILS



	TYPE O-X	TYPE X-O	TYPE O-X-O	TYPE O-X-X-O
WIDTH:	6, 8, 10 & 12 FT.	6, 8, 10 & 12 FT.	9, 12 & 15 FT.	12, 16 & 20 FT.
HEIGHT:	6 FT.–10 IN.	6 FT.–10 IN.	6 FT.–10 IN.	6 FT.–10 IN.



MEETING STILE TYPE O-X-X-O DOOR SECTION "A" ABOVE

1—Layout as shown accommodates 1" insulating glass, but can also be adapted to ⅝" insulating glass, or ¼" plate or sheet by exchanging glazing bead only.

2—Standard frames are glazed from exterior.

Miller Aluminum 1000 Series, ½ size details

SPECIFICATIONS FOR SPECIFYING:

Aluminum sliding doors and frames shall be "Miller No. 1000 Series" as manufactured by Miller Sliding Glass Door. Co. Inc. 3216 Valhalla Dr., Burbank, Calif. **MATERIAL:** All sections shall be .094 average wall thickness, 6063-T5 extruded aluminum alloy with Alumilite finish. **DESIGN:** Vent or sliding sections are to move horizontally on bottom mounted, ball bearing grooved brass rollers. Adjustment to be provided in roller assembly for squaring of vent in frame. **HARDWARE:** Shall be full grip design with "Magic Touch" night latch engaging adjustable receiver mounted in jamb. (Cylinder locks optional at extra cost.) **WEATHERSTRIP:** Shall be silicone treated woven wool pile mounted in channels to form double seal all four sides of vents, with unbroken seal in vent corners. **SCREENS:** Shall be aluminum tubular box section, 18-14 mesh fiber glass cloth. Wool pile insect guards all four sides. Hook type latch.

Additional ½, ¼ and full-size detail sheets or catalogs available from your dealer or Miller.

Additional ½, ¼ and full-size detail sheets or catalogs available from your dealer or Miller.

TEAR OUT AND TRACE

MILLER SLIDING GLASS DOORS 1000 SERIES FOR DUAL OR SINGLE GLAZING

The line known as "top quality" in the industry...the first door basically designed for 1" dual glazing. All No. 1000 Series doors are made of heavy-walled tubular aluminum extrusions. They can be shop glazed or field glazed. Moreover, the glass can be changed anytime without disturbing the framing installation. Ingeniously weathersealed, lustrous Alumilite finish, superior in every way.

Specifications

MATERIALS: All sections shall be .094 average wall thickness, 6063-T5 extruded aluminum alloy. Sections shall have Alumilite coating

DESIGN: All extruded aluminum shapes are so designed as to give maximum strength, smooth quiet operation, and trim appearance. Vented or sliding sections are to move horizontally upon bottom mounted, ball bearing grooved brass rollers. Adjustment to be provided in roller assembly for squaring of vent in frame where indicated by irregularities in rough opening. All frames are designed for shop or field glazing. They accommodate 1" dual, 5/8" dual, 1/4" plate or sheet glass. (Specify when ordering.) Glass to be installed from outside on standard units. However, design permits availability of frames to be glazed from inside for use in multiple story buildings. All door frames are designed with provision for installing bottom roller, horizontal sliding screens.

HARDWARE: Hardware shall be of a full grip design as illustrated and specified on page 3 of this catalog. Cylinder optional at extra cost and may be installed at any time by exchanging handles only. Adjustable receiver in jamb provides perfect alignment for latching.

WEATHERSTRIPPING: Weatherstripping material shall be of Schlegel certified woven wool pile (silicone treated) mounted in channels to form continuous double seal, and is installed in such a manner as to make a positive, unbroken seal in vent corners.

SCREENS: Screens shall be made from aluminum tubular box type section with bottom rollers and fitted with 18-14 mesh fiber glass cloth, and shall slide horizontally on bottom track.

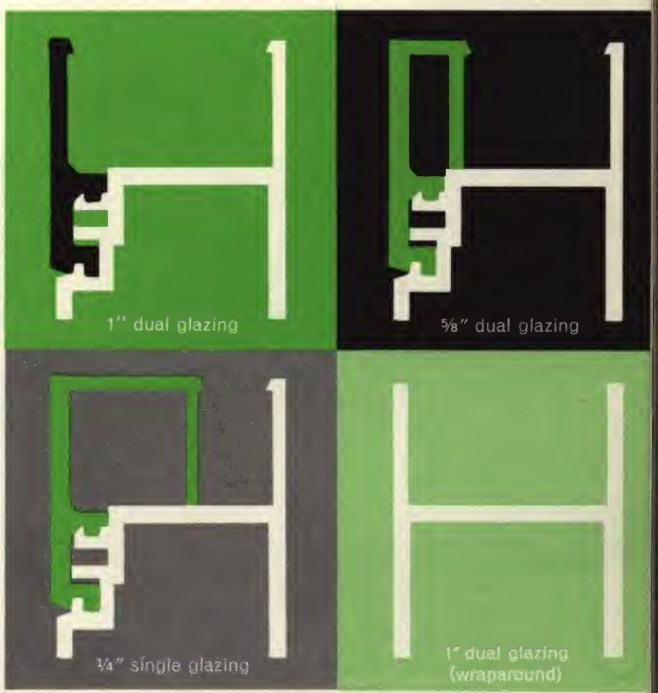
ASSEMBLY: Doors shall be shipped in knocked-down condition. Factory sub-assembly shall include attachment of all accessory parts such as weatherstrip, latch, roller assemblies, corner connecting brackets, bumpers, etc. No special tools required for final assembly. Assembly instructions supplied with each frame.

INSTALLATION: Installation shall be done by others under separate contract arrangement. Complete instructions supplied by Manufacturer.

GLAZING: Glass and glazing shall be furnished by others under separate contract arrangement.

GUARANTEE: All "MILLER" products are guaranteed against factory defect. Responsibility is assumed for satisfactory functioning of sliding door provided installation instructions are observed.

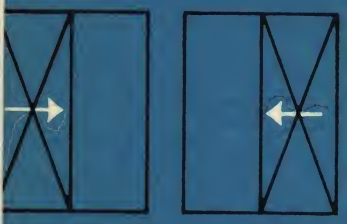
See how the No. 1000 Series lets you install any standard glass—or convert to a different thickness later—without affecting the framing. An exclusive bead design permits either shop or field glazing.



#187 & #625 FRAME SIZES	ACTUAL GLASS SIZE (SLIDING OR FIXED)
6'0" x 6'10"	33" x 76¾" (2 pcs.)
8'0" x 6'10"	45" x 76¾" (2 pcs.)
10'0" x 6'10"	57" x 76¾" (2 pcs.)

#1000 FRAME SIZES	ACTUAL GLASS SIZE (SLIDING OR FIXED)
6'0" x 6'10"	33" x 76¾" (2 pcs.)
8'0" x 6'10"	45" x 76¾" (2 pcs.)
10'0" x 6'10"	57" x 76¾" (2 pcs.)

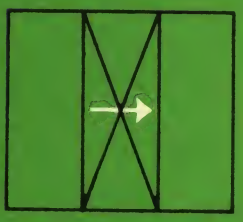
O-X & X-O



#187 & #625 FRAME SIZES	ACTUAL GLASS SIZE (SLIDING OR FIXED)
9'½" x 6'10"	33" x 76¾" (3 pcs.)
12'½" x 6'10"	45" x 76¾" (3 pcs.)
15'½" x 6'10"	57" x 76¾" (3 pcs.)

#1000 FRAME SIZES	ACTUAL GLASS SIZE (SLIDING OR FIXED)
9'0" x 6'10"	33" x 76¾" (3 pcs.)
12'0" x 6'10"	45" x 76¾" (3 pcs.)
15'0" x 6'10"	57" x 76¾" (3 pcs.)

O-X-O

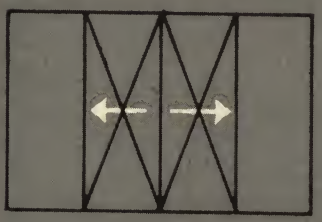


X—Slide
O—Stationary

#187 & #625 FRAME SIZES	ACTUAL GLASS SIZE (SLIDING OR FIXED)
11'11½" x 6'10"	33" x 76¾" (4 pcs.)
15'11½" x 6'10"	45" x 76¾" (4 pcs.)
19'11½" x 6'10"	57" x 76¾" (4 pcs.)

#1000 FRAME SIZES	ACTUAL GLASS SIZE (SLIDING OR FIXED)
11'10⅝" x 6'10"	33" x 76¾" (4 pcs.)
15'10⅝" x 6'10"	45" x 76¾" (4 pcs.)
19'10⅝" x 6'10"	57" x 76¾" (4 pcs.)

O-X-X-O



MirroGlide is another Miller quality product... an aluminum framed sliding *mirror* door for wardrobes, hall closets, dividers, etc. Multi-purpose MirroGlide "opens up" rooms, replaces plain surfaces with a custom-mirror look. Write for information.

Aluminum Framed Unglazed Doors 187, 625 and 1000 Series Stock Door Sizes and Types

187 Series frame sizes accommodate 1/4 or 3/16" plate or crystal.
625 Series accommodates standard (stock) 5/8" only dual insulated glass.
1000 Series accommodates either standard (stock) 1"dual or 5/8" dual, or 1/4" plate or 3/16" crystal.

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Who in U.S.A. 9/59

Miller SLIDING GLASS DOOR CO., INC.
3216 Valhalla Drive, Burbank, California / Victoria 9-1357

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